Introduction to Markdown

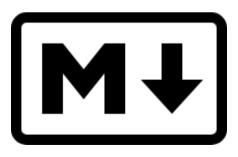
Pin Shuai

CEE 5430/6430 Hydrologic Modeling

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What is Markdown?

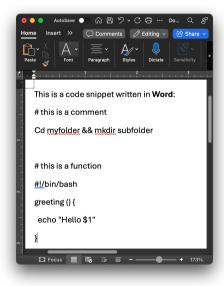
A lightweight markup language for creating formatted text using a plain-text editor.



Why use Markdown?

- Simple. Easy to read and easy to write
- Free and non-proprietary (can open with any plain text editor)
- Great for writing math equations and codes
- Used in Jupyter Notebook, GitHub readme, etc
- Popular for creating documentation, slides, notes, websites, books, etc.

Why use Markdown?





Header

```
# Header 1
```

Header 2

Header 3

Font

```
*Italic1* _Italic2_

**Bold1** __Bold2__

~~Strikethrough~~

==Highlight==
```

Italic1 Italic2

Bold1 Bold2

Strikethrough

Highlight

List

```
#unordered list
   - item 1
   - item 2
   - item 3

#ordered list
   1. item 1
   2. item 2
   3. item 3
```

unordered list

- item 1
- item 2
- item 3

ordered list

- 1. item 1
- 2. item 2
- 3. item 3

Link

```
[USU](https://www.usu.edu/)
```

<u>USU</u>

Image

```
![alt text](image.jpg)
e.g.,
![alt text](https://github.com/adam-p/markdown-here/raw/master/src/common/images/icon48.png "Logo Title Text 1")
```



Check box

```
check box
- [] to do
- [x] done

check box
to do

done
```

Math

- Accept LaTex and MathJax format
- inline math use single \$ to enclose the equation
- math block use double \$\$ to enclose the equation

Math

- ullet Darcy's Law: $q=-Krac{dh}{dl}$
- Richard's Equation

$$rac{\partial}{\partial t}\left(arphi s
ight)+oldsymbol{
abla}\cdotoldsymbol{q}=Q_{w}$$

Code

Use back ticks

```
inline code:
    import numpy; print("abs(-5)=numpy.abs(-5)")`

- code block:
    import numpy
        import numpy
        print("abs(-5)=numpy.abs(-5)")
```

Code

- inline code:
- import numpy; print("abs(-5)=numpy.abs(-5)")
- code block

```
import numpy
print("abs(-5)=numpy.abs(-5)")
```

Table

```
| Col 1 | Col 2 | Col 3 |
|-----: | :----- |
| x | 1 | 3 |
| y | 2 | 4 |
```

Col 1	Col 2	Col 3	
X	1	3	
у	2	4	

Markdown App

- Obsidian.md. Free markdown editor and note-taking tools. Has a large user base with a wide selection of community plugins.
- <u>Typora</u>. \$14.99. A minimal Markdown editor and reader.
- <u>Visual Studio Code</u>. Free and open source. Powerful developer code editor. A wide selection of community extensions.

References

1. Markdown Cheatsheet